

# example\_about\_files

February 28, 2021

## 1 Helpers about files

How to compress, encrypt, decrypt files with pyquickhelper.

### 1.1 compress

```
[1]: from pyquickhelper.filehelper import download, gzip_files, zip7_files, zip_files
```

```
[2]: download("https://docs.python.org/3.4/library/urllib.request.html")
```

```
[2]: '.\\urllib.request.html'
```

```
[3]: gzip_files("request.html.gz", ["urllib.request.html"])
```

```
[4]: import os
os.listdir(".")
```

```
[4]: ['.ipynb_checkpoints',
      'autosavetime2',
      'check_matplotlib_backend.ipynb',
      'compare_python_distribution.ipynb',
      'example_about_files.ipynb',
      'example_completion.ipynb',
      'example_documentation.ipynb',
      'example_pyquickhelper.ipynb',
      'example_with_comments.ipynb',
      'exemple_of_fix_menu.ipynb',
      'git_dataframes.ipynb',
      'having_a_form_in_a_notebook.ipynb',
      'javascript_extension.ipynb',
      'nbimage.png',
      'notebook_with_svg.ipynb',
      'README.txt',
      'request.html.gz',
      'simple_example.ipynb',
      'urllib.request.html']
```

```
[5]: ipy = [ _ for _ in os.listdir(".") if ".ipynb" in _ ]
if os.path.exists("notebooks.zip"):
    os.remove("notebooks.zip")
zip_files("notebooks.zip", ipy)
```

[5]: 14

The following example get all files registered in a repository GIT or SVN.

```
[6]: from pyquickhelper.filehelper import explore_folder_iterfile_repo
```

```
[7]: files = list ( explore_folder_iterfile_repo(".") )
```

```
[8]: files
```

```
[8]: ['README.txt',  
      'check_matplotlib_backend.ipynb',  
      'compare_python_distribution.ipynb',  
      'example_about_files.ipynb',  
      'example_completion.ipynb',  
      'example_documentation.ipynb',  
      'example_pyquickhelper.ipynb',  
      'example_with_comments.ipynb',  
      'exemple_of_fix_menu.ipynb',  
      'git_dataframes.ipynb',  
      'having_a_form_in_a_notebook.ipynb',  
      'javascript_extension.ipynb',  
      'nbimage.png',  
      'notebook_with_svg.ipynb',  
      'simple_example.ipynb']
```

## 1.2 encrypt, decrypt

```
[9]: %load_ext pyquickhelper
```

```
[10]: %encrypt_file notebooks.zip notebooks.enc passwordpassword
```

```
[11]: %decrypt_file notebooks.enc notebooks2.zip passwordpassword
```

```
[12]:
```